Approved for use through OMB 0651 0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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		Application Number		10/706,984 Patent No. 7,	176,614			
GEES RANSMITTAL			Filing Da	te		11/14/2003		
		XII.	First Named Inventor		Soo-Joung L	EE et al.		
MAR 2 7 2007	E)		Group Ar	t Unit		2879		
A CONTRACTOR OF THE PARTY OF TH			Examiner Name		RAABE, CH M	IRISTOPHOER,		
TOTAL AMOUNT	OF PAYMENT	\$130.00	Attorney Number	Docket		P56908		
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1808 1.17(h) Process	ing fee						\$130.00	
•				TOTAL:			\$130.00	
submitted by: Robert E. Bushi 1202	nell, Attorney-at-Law Suite 300,	1522 "K" Street, N.W. Wa	shington, D.C.	20005-	Comple	te (if applicable)		
Typed or Printed Name	Robert E. Bushnell		Payor No	o. <u>008439</u>		Reg. No.	27,774	
Signature	Date	March 27, 20	07	Deposit Account User ID				

REB/syk

RECEIVED



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patent No.: 7,176,614

(Issued on 13 February 2007)

Soo-Joung Lee, et al.

Serial No.:

10/706,984

Examiner: Raabe, Christophoer M

Filed:

14 November 2003

Art Unit:

2879

For:

FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING

CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

Petition to grant Request For Certificate Of Correction

MAIL STOP: Petitions

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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MAY **2 1** 2007

Dear Sir:

OFFICE OF PETITIONS

Pursuant to 37 C.F.R. §3.81 (b), Applicant petitions to grant accompanying Request for Certificate of Correction to correct

In the O.G.page: (73) Assignee:

From: "Samsung Electronics Co., Ltd. "

To - - Samsung SDI Co., Ltd.. - -:

03/28/2007 TBESHAHI 80000026 7176614

01 FC:1464

130.00 OP

Folio: P56908 Date: 3/27/07 I.D.: REB/syk



REMARKS

The erroneous Assignee data was provided by the Applicant inadvertently in item 3 of the Issue Fee Transmittal Form PTOL-85B. The correction, which does not involve changes in the patent that constitute new matter or require reexamination.

The processing fee of \$130.00 set forth under 37 C.F.R. 1.17 (h) accompanies this Petition. The fee of \$100.00 required under 37 C.F.R 1.323 was previously submitted on 2 March 2007 (via check No. 52189) with Request for Certificate of Correction filed on 2 March 2007.

Also accompanied are copies of Notice of Recordation of Assignment Document and signed Assignment recorded on Reel No. 014701 and at Frame No. 0487.

Applicant further petitions that file be forwarded to Certificates of Correction Branch, for issuance of a Certificate of Correction.

Respectfully, submitted,

Robert E. Bushnell,

Attorney for the Applicant Registration No.: 27,774

Enclosures: Check No. 52311 (for \$130.00) and copies of Notice of Recordation of Assignment Document and Assignment

& Request for Certificate of Correction

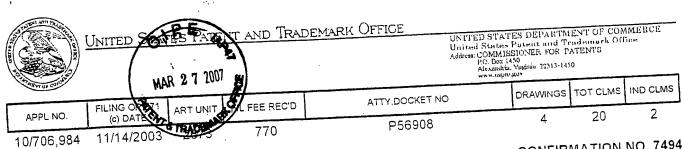
Folio: P56908 Date: 3/27/07 REB/syk

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	submitted by: Robert E. Bushi 1202	nell, Attorney-at-Law Suite 300, 1522 "K" Stre	et, N.W. Washington, D.C.	20005- COMP	icie (ii appiidae).	·	4
	Typed or Printed Name	Robert E. Bushnell	Payor No	o. <u>008439</u>	Reg. No.	27,774	
	Signature	my 1	Date	March 2, 2007	Deposit		

REB/syk

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MAY 2 1 2007



CONFIRMATION NO. 7494

Robert E. Bushnell Suite 300 1522 K Street, N.W. Washington, DC 20005-1202

FEB 2 4 2004

110

FILING RECEIPT *OC000000011946155*

Date Mailed: 02/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Soo-Joung Lee, Ahnyang-city, KOREA, REPUBLIC OF; Hun-Young Kim, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 0003278/2003 01/17/2003

If Required, Foreign Filing License Granted: 02/19/2004

Projected Publication Date: 07/22/2004

Non-Publication Request: No

Early Publication Request: No

Title

Flat panel display device having anode substrate including conductive layers made of carbonbased material

Preliminary Class



LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 37, Code of Federal Regulations, 5.11 & 5.15

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MAY 2 1 2007

OFFICE OF PETITIONS

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls. Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 0

PTAS
ROBERT E. LL, ATTORNEY AT LAW
1522 K STREET, N.W., SUITE 300
WASHINGTON, DC 20005-1202



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/14/2003

REEL/FRAME: 014701/0487

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SOO-JOUNG

DOC DATE: 11/03/2003

ASSIGNOR:

KIM, HUN-YOUNG

DOC DATE: 11/03/2003

ASSIGNEE:

SAMSUNG SDI CO., LTD. 575, SHIN-DONG PALDAL-GU SUWON-CITY, KYUNGKI-DO REPUBLIC OF KOREA

RECEIVED

MAY 2 1 2007

OFFICE OF PETITIONS

014701/0487 PAGE 2

SERIAL NUMBER: 10706984 FILING DATE: 11/14/2003

PATENT NUMBER: ISSUE DATE:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING

CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595 R	5(19)				
To the Honorable Commissioner of Patents are Themarks: F 1. Name of conveying party(ies): 1) SOO-JOUNG LEE 2) HUN-YOUNG KIM Additional name(s) of conveying party(ies) attack are a No	2. Name and address of receiving party(ies): SAMSUNG SDI CO.,LTD., a corporation organized under the laws of the Republic of Korea 575, Shin-Dong Paldal-Gu, Suwon-City, Kyungki-Do Republic of KOREA				
3. Nature of conveyance ■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other □ Execution Date: November 3, 2003	Additional name(s) & addresses attached? Yes No				
4. Application number(s) or Patent number(s): If this document is being filed together with a new application.	ion, the execution of the application is: 14 November 2003				
A. Patent Application No.(s)	B. Patent No.(s)				
101706934 Additional number(s)	attached? □ Yes				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total Number of applications and patents involved: ONE				
Name: Robert E. Bushnell Attorney at Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202 (202) 408-9040	7. Total fee (37 CFR § 3.41)				
.1/20/2003 DBYRNE 00000026 10706984	(Attach duplicate copy of this page if paying by deposit account)				
FE:8021 40.00 0P DO NOT US	SE THIS SPACE				
9. Statement and Signature. To the best of my knowledge and belief, the foregoing information original document. ROBERT E. BUSHNELL Name of Person Signing Signature	tion is true and correct and any attached copy is a true copy of the 14 November 2003 Date Total number of pages including cover sheet: TWO				
OMB No. 0651-0011 (exp. 4/94)					
Do not deta Mail documents to be recorded with the required cover sheet is Commissioner of Pate Box Assignments Washington, D.C. 202	nts and Trademarks				
P56908	PEOPLY				

P56908 REB/wc

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ASSIGNMENT

DOCKET NO. P56908

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

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ADDRESS:

a corporation organized under the laws of the Republic of Korea, 575, Shin-Dong Paldal-Gu, Suwon-City, Kyungki-Do

MAY **2 1** 2007

Republic of KOREA.

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in OFFICE OF PETITIONS United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING CONDUCTIVE LAYERS MADE OF CARBON-BASED *MATERIAL*

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States parent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly

X	executed on even date herewith, or	
	Serial Nofiled in the U.S. Patent & Trademark Office on or	
	executed on, or	

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the abovenamed application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document,

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

	<u>INVENTOR(s)</u>		Date Signed	Witness(es)
1)	Son-Joung Lee SOO-JOUNG LEE	_(Seal)	Nov. 3,2003	Pork ym Hz Yun-Ha Parl
2)	Hun-Young Kim HUN-YOUNG KIM	_(Seal)	Nov. 3,2003	Powe Units Yun-Ha Park
3)		_(Seal)		
4)		_(Seal)		

Additional inventors are being named on separately numbered sheets attached hereto.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patent No.: 7,176,614

(Issued on 13 February 2007)

Soo-Joung Lee, et al.

Serial No.:

10/706,984

Examiner: Raabe, Christophoer M

Filed:

14 November 2003

Art Unit:

2879

For:

FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING

CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

REQUEST FOR CERTIFICATE OF CORRECTION

MAIL STOP: Certificate of Correction

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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MAY 2 1 2007

Dear Sir:

OFFICE OF PETITIONS

Pursuant to 37 C.F.R. §1.323, Applicant requests approval of the accompanying Certificate of

Correction to correct

In the O.G.page: (73) Assignee:

From: "Samsung Electronics Co., Ltd. "

To - - Samsung SDI Co., Ltd.. - -:

Folio: P56908 Date: 3/27/07 I.D.: REB/syk

REMARKS

The mistake was made by the Applicant. The correction, which does not involve changes in the patent that constitute new matter or require reexamination.

The appropriate fee of \$100.00 under 37 C.F.R.1.20(a) was previously submitted on 2 March 2007 accompanied with Request for Certificate of Correction filed on 2 March 2007.

Also enclosed are copies of <u>Filing Receipt</u>, <u>Notice of Recordation of Assignment Document</u> and signed Assignment recorded on Reel No. 014701 and at Frame No. 0487.

Respectfully submitted,

Robert E. Bushnell,

Attorney for the Applicant Registration No.: 27,774

1522 "K" Street, N.W., Suite 300 Washington, D.C. 20005 (202) 408-9040

Enclosures:

copy of Check No. 52189 (for \$100.00) previously paid on 2 March 2007

copies of Filing Receipt, Notice of Recordation of Assignment Document and

signed Assignment

Folio: P56908 Date: 3/27/07 I.D.: REB/syk

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,176,614 **APPLICATION NO.: 10/706,984**

ISSUE DATE : 13 February 2007

INVENTOR(S) : Soo-Joung Lee, et al.

> It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the O.G. page:

(73) Assignee:

Please correct: " Samsung Electronics Co., Ltd. "

to - - Samsung SDI Co., Ltd.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO

: 7,176,614

APPLICATION NO.: 10/706,984

ISSUE DATE

: 13 February 2007

INVENTOR(S)

: Soo-Joung Lee, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the O.G. page:

(73) Assignee:

Please correct: " Samsung Electronics Co., Ltd. "

to - - Samsung SDI Co., Ltd.

MAILING ADDRESS OF SENDER: Robert E. Bushnell, Esq. 1522 K Street, N.W., Suite 300 Washington, D.C. 20005



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office.
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CONFIRMATION NO. 7494

IND CLMS

2

Robert E. Bushnell Suite 300 1522 K Street, N.W. Washington, DC 20005-1202

FEB 2 4 2004

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FILING RECEIPT

Date Mailed: 02/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Soo-Joung Lee, Ahnyang-city, KOREA, REPUBLIC OF; Hun-Young Kim, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 0003278/2003 01/17/2003

If Required, Foreign Filing License Granted: 02/19/2004

Projected Publication Date: 07/22/2004

Non-Publication Request: No

Early Publication Request: No

Title

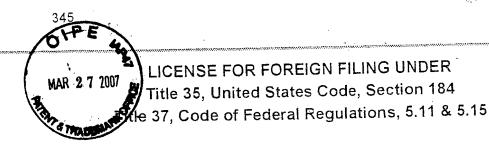
Flat panel display device having anode substrate including conductive layers made of carbonbased material

Preliminary Class

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GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



A STATES PATENT AND TRADEMARK OFFICE

SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND OR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 07, 20

ROBERT E. BUSHA TTORNEY AT LAW 1522 K STREET, N.W., SUITE 300 WASHINGTON, DC 20005-1202

MAR 2 7 2007



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/14/2003

REEL/FRAME: 014701/0487

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SOO-JOUNG

DOC DATE: 11/03/2003

ASSIGNOR:

KIM, HUN-YOUNG

DOC DATE: 11/03/2003

ASSIGNEE:

SAMSUNG SDI CO., LTD. 575, SHIN-DONG PALDAL-GU SUWON-CITY, KYUNGKI-DO REPUBLIC OF KOREA

RECEIVED

MAY 2 1 2007

014701/0487 PAGE 2

SERIAL NUMBER: 10706984 FILING DATE: 11/14/2003

PATENT NUMBER: ISSUE DATE:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING

CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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FORM PTO-1595	R			ET U.S. DEPARTMENT OF COMMERCE			
11-161	402	1025	5097 - 511EE	Patent and Trademark Office			
		and Trademarks:	Please record the attached	original documents or copy thereof.			
1. Name of converted to the converted to	LEE GKIM of conveying party(ies) atta	A. S.	a corporation organize Paldal-Gt	f receiving party(ies): SUNG SDI CO.,LTD., ed under the laws of the Republic of Korea 575, Shin-Dong a, Suwon-City, Kyungki-Do epublic of KOREA			
☐ Security Ag ☐ Other		ge of Name	Additional name(s)	& addresses attached? □ Yes 🛮 👪 No			
	mber(s) or Patent number nt is being filed together		tion, the execution of the a	application is: 14 November 2003			
A. Patent Appli	cation No.(s)		B. Patent No.(s)				
10	1706984						
10	A	dditional number(s) attached? □ Yes 🔞 N	0			
	ress of party to whom cor cument should be mailed		6. Total Number of applications and patents involved: ONE				
Name: Robert E. Bushnell Attorney at Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202			7. Total fee (37 CFR § 3.41)				
	(202) 408-9040	3 1202	8. Deposit Account No	amber:			
20/2003 DBYRNE 0	0000025 10706984		(Attach duplicate copy of	this page if paying by deposit account)			
FC:8021	40.00 OP	DO NOT U	SE THIS SPACE				
9. Statement and To the best of my original document ROBERT E. E. Name of Personal Property of the Property of Personal Property of Per	knowledge and belief, the t. BUSHNELL	foregoing information of the Signature	full 14	nd any attached copy is a true copy of the November 2003 Date r of pages including cover sheet: TWO			
OMB No. 0651-001	1 (exp. 4/94)						
Mail documents to	Box A	quired cover sheet	ents and Trademarks				

P56908 REB/wc

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ASSIGNMENT

DOCKET NO. P56908

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

a corporation organized under the laws of the Republic of Korea,

ADDRESS:

575, Shin-Dong Paldal-Gu, Suwon-City, Kyungki-Do Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:

X	executed on even date herewith, or		
	Scrial No	filed in the U.S. Patent & Trademark Office on	01
-	executed on		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-continuation or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

	INVENTOR(s)		Date Signed	Witness(es)
1)	Soo-Joung Lee SOO-JOUNG LEE	_(Seal)	Nov. 3,2003	Pork ym Hz Yun-Ha Park
2)	HUN-YOUNG KIM	_(Seal)	Nov. 3,2003	Park Umb
3)	·	_(Seal)		
4) .		_(Seal)		

Additional inventors are being named on separately numbered sheets attached hereto.

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		Patent No.:	7,176,614	(Issued on 1	3 February 200	7)	
		In re Application					•
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	1202	Robert E. Bushnell	Payor N	o. <u>008439</u>	Reg. No.	27,774	
	Typed or Printed Name	Robert E. Bushnett	1 8,01 14				1
	Signature	104/	Date	March 2, 2007	Deposit Account		
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